

ACURITE®
DESIGNED TO WORK FOR YOU™

Product Registration

To receive product information, register your product online. It's quick and easy!

Log on to http://www.chaneyinstrument.com/product_reg.htm



This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:
1- This device may NOT cause harmful interference, and
2- This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, There is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

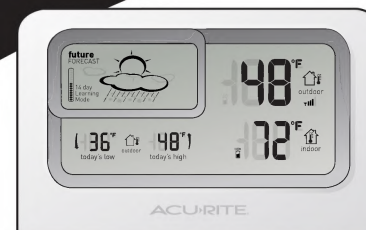
NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

Patent numbers: 5,978,738; 6,076,044; 6,597,990

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Wireless Weather
Thermometer
#00616

Instruction Manual



A. Main Unit



B. Wireless Sensor

Package Contents:

- (1) Main Unit (A)
- (1) Wireless Sensor (B)
- (1) Instruction Manual

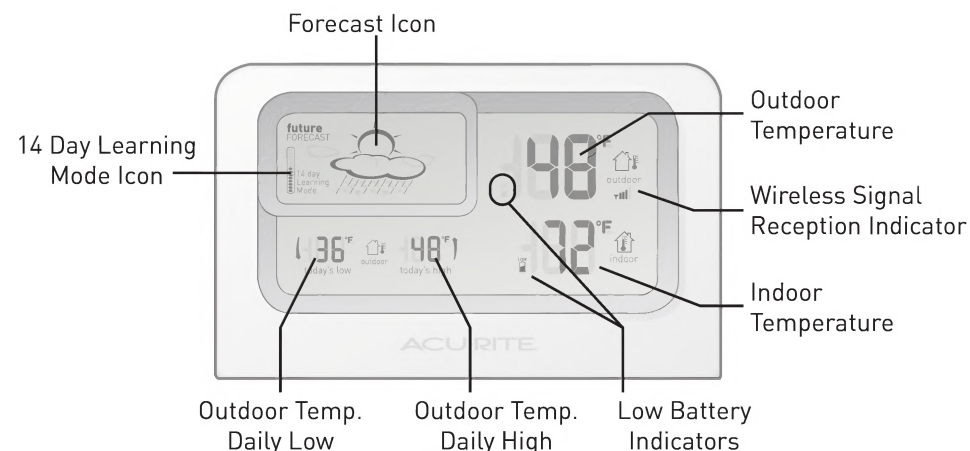
What You Need:

- Philips Screwdriver
 - (5) AA batteries
- see "Install Batteries" on page 2

Thank You for purchasing this ACURITE® product. This wireless weather thermometer features outdoor temperature, outdoor temperature memory (recent high/low), weather forecast and indoor temperature. Please read this manual in it's entirety to fully enjoy the benefits and features of this product. Please keep this manual for future reference.

NOTE: A clear film is applied to the LCD at the factory that must be removed prior to using this product. Locate the clear tab and simply peel to remove.

1 • OVERVIEW OF FEATURES



2 • SETUP

Install Batteries

NOTE: Install all batteries in both units within a 6 minute period to ensure proper wireless functionality.

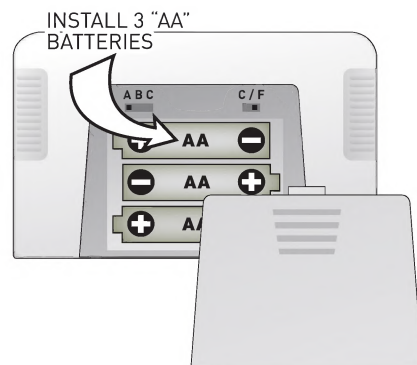
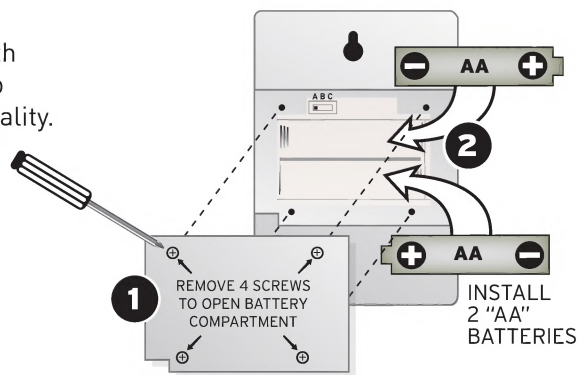
A. Wireless Sensor

- 1) Remove the 4 battery compartment screws.
- 2) Remove the battery compartment cover and install 2 fresh "AA" batteries as shown here.

Always install batteries into the wireless sensor FIRST to ensure proper wireless synchronization with the main unit.

B. Main Unit

Remove the battery compartment cover and install 3 fresh "AA" batteries as shown here.



Operating Range of Batteries

| | | |
|--------------------|---------------|--------------|
| LITHIUM BATTERIES | -22°F (-30°C) | (70°C) 158°F |
| ALKALINE BATTERIES | -4°F (-20°C) | (70°C) 158°F |

Extended periods of cold temperatures (below -4°F / -20°C) can cause alkaline batteries to function improperly. This will cause the outdoor wireless sensor to stop transmitting temperature readings. Use lithium batteries in these low temperature conditions to ensure continued operation for wireless sensors placed outdoors.

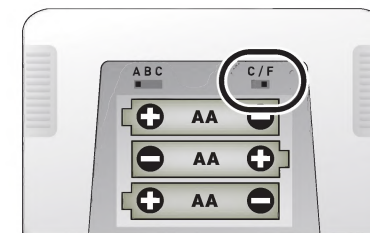


PLEASE DISPOSE OF OLD OR DEFECTIVE BATTERIES IN AN ENVIRONMENTALLY SAFE WAY AND IN ACCORDANCE WITH YOUR LOCAL LAWS AND REGULATIONS.

BATTERY SAFETY: Follow the polarity (+/-) diagram in the battery compartment. Promptly remove dead batteries from the device. Dispose of used batteries properly. Only batteries of the same or equivalent type as recommended are to be used. DO NOT incinerate used batteries. DO NOT dispose of batteries in fire, as batteries may explode or leak. DO NOT mix old and new batteries or types of batteries (alkaline/standard). DO NOT use rechargeable batteries. DO NOT recharge non-rechargeable batteries. DO NOT short-circuit the supply terminals.

Select Celsius (°C) or Fahrenheit (°F)

The main unit is capable of displaying the indoor and outdoor temperature readings in either °C or °F. To select either °C or °F, slide the switch located within the battery compartment to the desired measurement unit.



select °C or °F temperature display

Close Battery Compartment Covers

After you have installed fresh batteries and have selected °C or °F, you may now close the battery compartment covers on both the main unit and the wireless sensor.

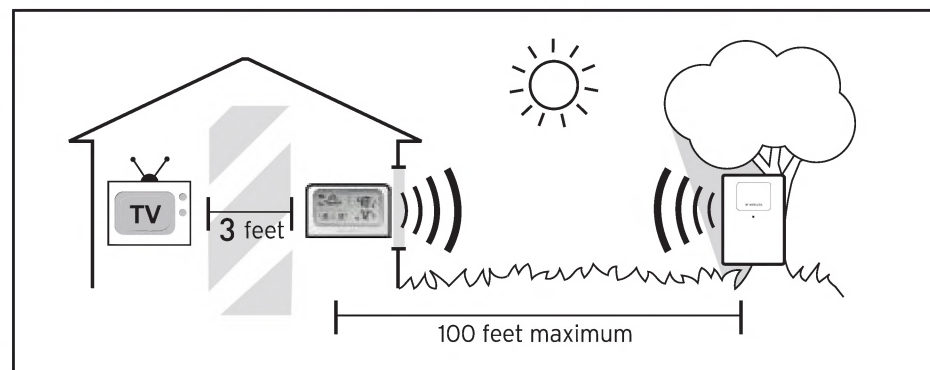
Basic Setup is Now Complete

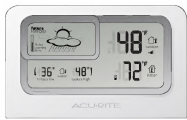
The wireless sensor will soon send a signal to the main unit and the two units will be synchronized. It may take a few minutes for synchronization to complete. If both or one of units appear to be functioning improperly, refer to the troubleshooting section in this manual.

3 • PLACEMENT

Now that setup is complete, you must choose a location to place the wireless sensor and the main unit. The wireless sensor **MUST** be placed less than 100 feet from the main unit.

This wireless thermometer uses radio frequency for communication, which is susceptible to interference from other electronic devices and large metallic items or thick walls. Always place both units at least 3 feet away from appliances (TV, microwave, radios, etc.) or objects (large metal surfaces, thick stone walls, etc.) that may interfere with the wireless communication.





Placement of Main Unit

Place the main unit in a dry area free of dirt and dust. To help ensure an accurate indoor temperature measurement, be sure to place the main unit out of direct sunlight, and away from any heat sources or vents in your home.

To clean the main unit case and screen, periodically wipe clean with a damp cloth.



Placement of Sensor

The wireless sensor **MUST BE PLACED OUTDOORS** to observe outdoor temperatures and relay the outdoor temperature to the main unit display. The wireless sensor must be placed less than 100 feet from the main unit.

The wireless sensor is water resistant and is designed for outdoor use. However, to extend the life of the product, place the wireless sensor in an area protected from direct weather elements. To ensure an accurate outdoor temperature measurement, be sure the wireless sensor is placed out of direct sunlight and away from any heat sources.

Use the integrated hang hole on the back of the wireless sensor to hang the sensor on a wall or other vertical surfaces outdoors.

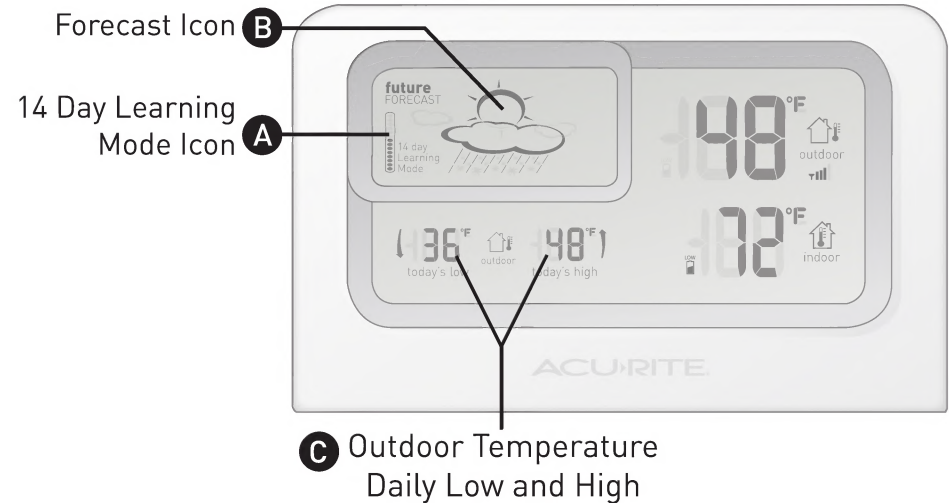
Wireless Sensor Reception

The main unit has an wireless signal reception icon in the left of the outdoor temperature display. If there are a low number of “bars” present, you may experience inaccuracy or no temperature display (“--”). In this case you may need to relocate one or both of the units. If most or all 4 of the bars are present, wireless reception is good and no action is required.



4 • OPERATION

After the main unit and the wireless sensor are both powered on and wirelessly synchronized, no further input is required. The thermometer should provide accurate temperature if properly set up and placed.



A 14 Day Learning Mode

This weather thermometer has a patent pending fourteen day learning mode calibration process. During this learning mode the weather station will make altitude calculations that may affect the accuracy of the forecast. Once the 14 day learning mode process is complete, the learning mode icon will disappear and the weather forecast should be ready for superior operation.

B Forecast Icon


This feature gives you the predicted weather forecast for the next 12 to 24 hours based on an advanced algorithm that includes barometric pressure and temperature. This weather thermometer will provide the most accurate forecast that a single station weather instrument can provide.

C Daily High/Low

This feature gives you the recent recorded highest & lowest outdoor temperatures.

Batteries should last approximately one year under normal conditions. When the batteries need replacement, follow the battery installation procedure outlined in this manual exactly to ensure proper operation.

Troubleshooting

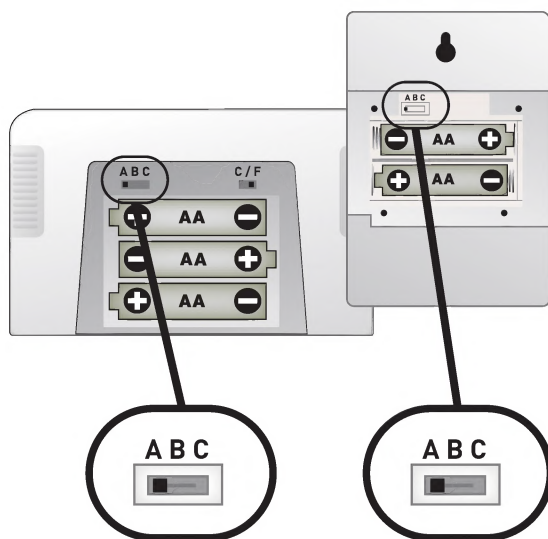
| Problem | Possible Solution |
|--|--|
| <p>Bad Reception</p>  | Relocate the main unit and/or the wireless sensor. Both units must be within 100 feet from each other. Make sure both units are placed at least 3 feet from other electronic appliances and devices that may interfere with the wireless communication (such as TV's, microwaves, computers etc). |
| <p>No Outdoor Temperature Display (no communication)</p> | If wireless reception is bad (no bars), see "Bad Reception" section above. If reception is O.K. or GOOD (some bars) and there is still no outdoor readings displayed, the batteries in the wireless sensor may need to be replaced. The wireless ID setting on each unit must match for both units to communicate properly. See "Set Wireless ID." |
| <p>Main Unit Display Not Working</p> | Make certain that the batteries are installed correctly. The batteries may need replacing. |

Set Wireless ID

This wireless thermometer uses long range 433mhz radio frequency for communication.

In the event that you have reception problems due to interference, both the main unit and the wireless sensor have a selectable wireless ID. The ID switches are located within the battery compartments of the main unit and the wireless sensor.

You may choose A, B or C; but both the main units' and the wireless sensors' IDs must match for successful synchronization.



both wireless ID's
must match

5 • PRODUCT SPECIFICATIONS

Measurement Ranges

Temperature

Main Unit: 32°F to 122°F / 0°C to 50°C

Wireless Sensor: -40°F to 158°F / -40°C to 70°C

Specifications

Power Requirements

Main Unit: 3 x "AA" alkaline or lithium batteries

Wireless Sensor: 2 x "AA" alkaline or lithium batteries

Wireless Communication

Radio Frequency: 433 mhz

Transmission Intervals: every 16 seconds



Please DO NOT return product to the retail store.

For technical assistance and product return information, please call
Customer Care: **877-221-1252** Mon. - Fri. 8:00 A.M. to 4:45 P.M. (CST)

www.chaneyinstrument.com

LIMITED ONE YEAR WARRANTY

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For in-warranty repair, please contact:

Customer Care Department
Chaney Instrument Company
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Lake Geneva, WI 53147

Chaney Customer Care

877-221-1252
Mon-Fri 8:00 a.m. to 4:45 p.m. CST

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